



Take a
closer look....

The upfront cost is
worth it

- Improved indoor air quality
- Lower cost to maintain
- Lower absenteeism

**"WE WILL SAVE YOU
MONEY, TIME AND HASSLE."**

Schedule a no obligation free consultation to keep everyone safe.

www.lifewingspp.com/education | rdloss@lifewingspp.com | 952.922.9560 office | 952.201.9560 cell

LifeWings
PEAK PERFORMANCE



LET US HELP YOU:

- Determine ROI
- Improve equipment reliability
- Manage costs
- Train your team
- Collect and use data



AS WELL AS:

- Find the money for upfront costs
- Communicate with board and community
- Build out your “good news” story



RESULTING IN:

- Standardized work/protocols for maintenance crews
- Interventions (tools) in the highest areas of risk, preventing deviations from normal HVAC operations
- Safety features, techniques, and procedures to avoid exposures or injury
- Mitigating the consequences of outbreaks or illness
- Lower carbon footprint through energy savings

“We accelerate the process and accelerate your savings on energy and facility management.”



Our experienced teams quickly assess your HVAC systems, facility maintenance practices, ventilation, air quality, installation and maintenance costs, potential savings and predictable objections from decision-makers and parents. This will free up your team to work on other projects.

We leverage AB 841 replacement dollars and grants, lessening the impact on General Funds and ESSER dollars.



LifeWings
PEAK PERFORMANCE

**IMPROVE HEALTH, PEACE OF MIND
BY CREATING SAFE BREATHING ZONES**

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LifeWings

PEAK PERFORMANCE

Quality Air Improves Learning, Saves Money

Research Proves It: Well-Managed Air Quality System Lowers Costs, Reduces Absenteeism and Raises Test Scores

Our data-driven solutions provide safe breathing zones, resulting in stunning measurable outcomes and reduced anxiety felt by students and staff.



REDUCED ENERGY COST

[HVAC maintenance plan improves efficiency.](#)

Energy is the largest budget items for schools after salaries. By ensuring correct billing and meter placement, along with proper, well-managed maintenance, costs will go down.

Utility companies often provide on-bill financing at zero interest to pay for HVAC upgrades with zero out of pocket for districts. The energy savings pays for the project.





FEWER ABSENCES

Poor ventilation can double the amount of sick days.

Good ventilation lowers absenteeism by 3.4%.

Fewer absentees means fewer substitutes. At a cost of \$150-\$225 a day, this results in a substantial savings.



HIGHER ACADEMIC ACHIEVEMENT

HVAC maintenance and a good ventilation system will improve health and performance.

Environmental exposures in school buildings impact student health, student thinking and student performance.



FEWER HEALTH INSURANCE AND WORKERS COMP CLAIMS

Teacher insurance costs are 26% higher than other professions.

Insurance costs for teachers are 26 percent higher than they are for private-sector professionals.

Teacher salaries don't keep up with higher insurance premiums.

The quality of air has a direct impact on absenteeism, student achievement, teacher retention and the cost of medical insurance and electricity.

We are in the business of saving money and lives by cleaning the air in your buildings and defeating the invisible enemy.

Schedule a no obligation free consultation to see how a LifeWings expert can help keep your schools clean and safe.



LifeWings

PEAK PERFORMANCE

Improve Health, Peace of Mind by Creating Safe Breathing Zones

The quality of air has a direct impact on absenteeism, student achievement and teacher retention.

Together, we can clean the breathing zones in your buildings and defeat the invisible enemies.



Here's how:

- Air handling systems are typically designed for cost and temperature control.
- We can add quality air by removing harmful biologicals (respiratory viruses and molds), particulates (smog, dust, pollens, and smoke), and airborne chemicals (volatile chemicals and odors) from your breathing zone.
- Optimized air flow (turn over rates), air distribution (avoiding contaminant stagnant-air "dead zones"), and air filtration are key to staying safe and healthy, feeling better, reducing anxiety and achieving more.
- You save money in the long run by increasing efficiency, updating equipment, and reducing repair and maintenance time.

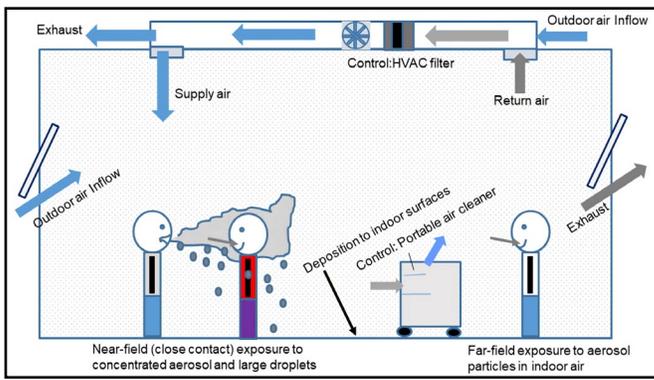
Learn more [here](#).



**IMPROVING STUDENT HEALTH AND ACHIEVEMENT
ONE BREATH AT A TIME**

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Source: <https://corsiairquality.wordpress.com/author/corsiaq/>

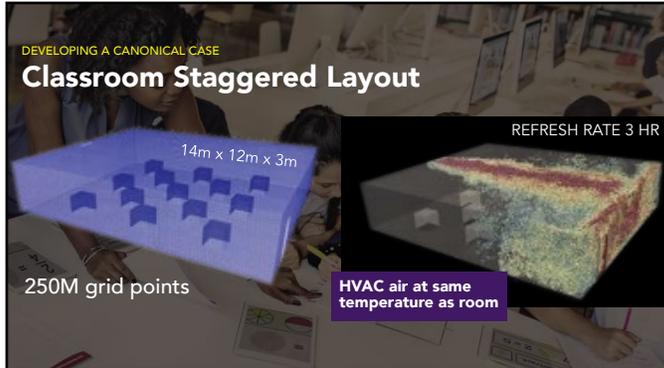
AIR FLOW

Air Changes per Hour (ACH) measures the amount of filtered and conditioned air that a system can produce. Professional organizations recommend 3-6 ACH's.

What is your system capable of?

Learn more...

- [ASHRAE Recommended Air Changes Per Hour](#)
- [Air Change Rates in typical Rooms and Buildings](#)
- [Vent-Axia Ventilation Design Guidelines](#)



Source: <https://www.youtube.com/watch?v=CQjFe-Hdce>

AIR DISTRIBUTION

Supply and return air duct placement creates air currents or flows through the room.

Does your system have stagnant dead zones that can trap contaminants?

Learn more...

- [Role of air changes per hour \(ACH\) in possible transmission of airborne infections](#)



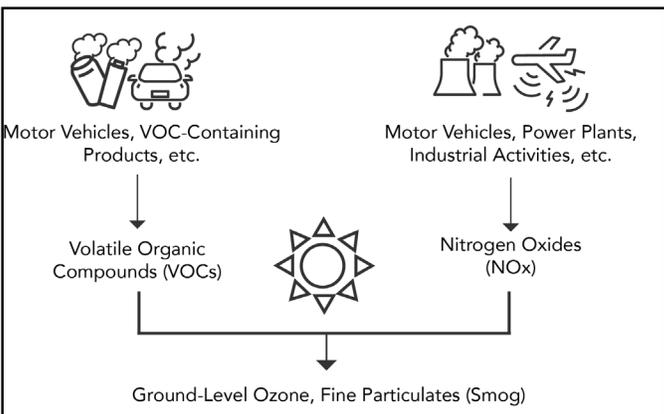
FILTERING

Higher quality filters require higher quality fans to push air through them. Is your system typical and built just for dust removal? Is your neighborhood contaminated with forest-fire smoke, smog, or pollen? If so, do you pre-filter your outside air intake?

Can you add charcoal for odor removal from cooking, smoke, furniture or carpet fumes?

Learn more...

- [Mechanical Air Filters](#)



CHEMICALS

Airborne chemicals (Volatile Organic Compounds or VOC's) are produced by everyday products like paint, carpet and cloth furniture; also cleaning products, cooking, smoking, candles and fires. Regular furnace filters will not trap them. Special filters are required to remove them. Measuring CO₂, the air we breathe out, is another indicator of poor air flow.

Learn more...

- [Volatile Organic Compounds' Impact on Indoor Air Quality](#)

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WHEN DATA DRIVEN SOLUTIONS ARE IMPLEMENTED USING BEST PRACTICES, STUNNING POSITIVE OUTCOMES CAN BE MEASURED AND FELT BY STUDENTS AND STAFF

Air Quality¹ studies have shown:

- 10%-20% REDUCTION in Student/Teacher Absences
- 10%-30% REDUCTION in Substitute Teacher costs
- LOWER Medical and Health insurance claims
- 3-6% IMPROVEMENT in academic achievement scores and results
- LOWER Workers compensation claims/costs
- Better student behavior and lower staff burnout, fatigue levels and disruptions

¹ https://schools.forhealth.org/wp-content/uploads/2020/02/Schools_ForHealth_UpdatedJan21.pdf

**BUT COVID IS THE TIPPING POINT IN OUR
SICK SCHOOL AIR CRISIS**

THE SAFER AIR APPROACH TO MEETING THE CHALLENGE

LifeWings Peak Performance and KFI Engineers have formed the “2021 Safer Air Initiative” in their mission to make indoor air healthier to breathe so millions of Americans can safely re-occupy indoor spaces.

It’s an alliance built on a science-based foundation of medical and engineering expertise aimed at revamping schools, healthcare facilities, government properties, and other buildings so that these indoor spaces can remain open even as the COVID-19 pandemic persists, and vaccine rollouts continue.

The evidence is overwhelming that indoor air is the most threatening factor in contracting COVID-19². Through the "2021 Safer Air Initiative," **building owners and operators can tap the hundreds of billions of dollars in federal and state coronavirus mitigation aid** and assess what needs to be done structurally for properties to remain open and solvent and keep occupants protected.

HOW WE WORK

Assessment and Discovery

1. Conduct a science-based assessment to evaluate three critical areas for air quality improvement: engineering, clinical and human factors
2. Identify protocols to prevent the spread of viral pathogens in classrooms, shared spaces, other education sites via HVAC systems, and other modes of spread

Financial Support and Strategic Planning

3. Identify the public funding available to local education agencies to support SaferAir assessments and any physical improvements that may be necessary based on review
4. Provide a strategic roll-out plan and prioritized recommendations with the benefits and limitations of each option

Activation and Communication

5. Implement changes to; Outside air, filtration, building automation, air treatment, air distribution, monitoring, and capital spend
6. Implement a Strategic SaferAir Public Engagement Plan to foster adoption and support of SaferAir practices in the county’s public schools

²<https://static1.squarespace.com/static/5ef3652ab722df11fcb2ba5d/t/60a3d1251fcec67243e91119/1621348646314/Safe+Work+TF+Designing+infectious+disease+resilience+April+2021.pdf>

Contact and Get Started

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